

Title (en)

BACKHEAD AND DRILL ASSEMBLY WITH BACKHEAD

Title (de)

KOPF UND BOHRANORDNUNG MIT KOPF

Title (fr)

TETE POSTERIEURE ET ENSEMBLE DE FORAGE MUNI D'UNE TETE POSTERIEURE

Publication

**EP 1943407 A1 20080716 (EN)**

Application

**EP 06827334 A 20061031**

Priority

- US 2006042740 W 20061031
- US 73386005 P 20051103

Abstract (en)

[origin: WO2007056035A1] In representative embodiments, a backhead for a drill assembly comprises an elongate member having a proximal end connectible to a source of pressurized fluid, a side wall defining an axial bore and an open distal end. A portion of the bore extending proximally from the distal end has an inner surface defining a cylinder portion shaped to receive an axially movable piston. The axial bore also comprises a check valve receiving area shaped to receive a check valve and to separate, during normal operation when a check valve is received in the check valve receiving area, an inlet area extending proximally to the proximal end from the cylinder portion extending distally to the distal end. Various improvements in retaining the distributor and increasing flow efficiency are described.

IPC 8 full level

**E21B 4/14** (2006.01); **E21B 1/38** (2006.01)

CPC (source: EP KR US)

**E21B 4/14** (2013.01 - EP KR US); **E21B 10/00** (2013.01 - KR)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007056035 A1 20070518**; AU 2006311987 A1 20070518; AU 2006311987 B2 20110310; CA 2627488 A1 20070518; CA 2627488 C 20121023; EP 1943407 A1 20080716; EP 1943407 A4 20120104; EP 1943407 B1 20150415; ES 2536070 T3 20150520; KR 101011433 B1 20110128; KR 20080088586 A 20081002; US 2008156540 A1 20080703; US 2009260889 A1 20091022; US 7617889 B2 20091117; US 8006784 B2 20110830

DOCDB simple family (application)

**US 2006042740 W 20061031**; AU 2006311987 A 20061031; CA 2627488 A 20061031; EP 06827334 A 20061031; ES 06827334 T 20061031; KR 20087013202 A 20061031; US 49412609 A 20090629; US 81729206 A 20061031